

S/N 10/731,223

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Alan F. Marcovecchio	Examiner:	George R. Evanisko
Serial No.:	10/731,223	Group Art Unit:	3762
Filed:	December 09, 2003	Docket:	279.097US4
Title:	DISCRIMINATION OF SUPRAVENTRICULAR TACHYCARDIA AND VENTRICULAR TACHYCARDIA EVENTS		



SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with 37 C.F.R. §§ 1.97 *et. seq.*, the enclosed materials are brought to the attention of the Examiner for consideration in connection with the above-identified patent application. Applicant respectfully requests that this Supplemental Information Disclosure Statement be entered and the documents listed on the attached Form 1449 be considered by the Examiner and made of record. Pursuant to the provisions of MPEP 609, Applicant requests that a copy of the 1449 form, initialed as being considered by the Examiner, be returned to the Applicant with the next official communication.

Pursuant to 37 C.F.R. §1.97(b), it is believed that no fee or statement is required with the Supplemental Information Disclosure Statement. However, if an Office Action on the merits has been mailed, the Commissioner is hereby authorized to charge the required fees to Deposit Account No. 19-0743 in order to have this Supplemental Information Disclosure Statement considered.

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Pursuant to 37 C.F.R. 1.98(a)(2), Applicant believes that copies of cited U.S. Patents and Published Applications are no longer required to be provided to the Office. Notification of this change was provided in the United States Patent and Trademark Office OG Notices dated October 12, 2004. Thus, Applicant has not included copies of any US Patents or Published Applications cited with this submission. Should the Office require copies to be provided, Applicant respectfully requests that notice of such requirement be directed to Applicant's below-signed representative. Applicant acknowledges the requirement to submit copies of foreign patent documents and non-patent literature in accordance with 37 C.F.R. 1.98(a)(2).

The Examiner is invited to contact the Applicant's Representative at the below-listed telephone number if there are any questions regarding this communication.

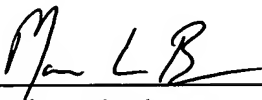
Respectfully submitted,

ALAN F. MARCOVECCHIO

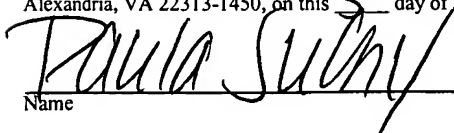
By his Representatives,

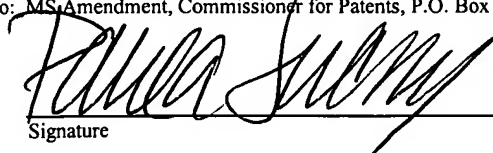
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Date 7-5-05

By 
Marvin L. Beekman
Reg. No. 38,377

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: MSA Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this 5 day of July, 2005.


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Signature

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Application Number	10/731,223
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First Named Inventor	Marcovecchio, Alan
Group Art Unit	3762
Examiner Name	Evanisko, George

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US PATENT DOCUMENTS

Examiner Initial *	USP Document Number	Publication Date	Name of Patentee or Applicant of cited Document	Filing Date If Appropriate
	US-2002/0049474 A1	04/25/2002	Marcovecchio, A. F., et al.	08/02/2001
	US-2002/0198461 A1	12/26/2002	Hsu, William, et al.	08/02/2002
	US-2003/0060849 A1	03/27/2003	Hsu, W.	07/23/2002
	US-2003/0109792 A1	06/12/2003	Hsu, W., et al.	06/21/2003
	US-2003/0120316 A1	06/26/2003	Spinelli, J. C., et al.	12/20/2001
	US-2004/0015090 A1	01/22/2004	Sweeney, R. J., et al.	02/17/2003
	US-2004/0093035 A1	05/13/2004	Schwartz, Mark, et al.	11/08/2002
	US-2004/0116972 A1	06/17/2004	Marcovecchio, Alan F.	12/09/2003
	US-2005/0010257 A1	01/13/2005	Lincoln, W. C., et al.	07/11/2003
	US-4,336,810	06/29/1982	Anderson, D. L., et al.	09/30/1980
	US-4,830,006	05/16/1989	Haluska, Edward A., et al.	06/17/1986
	US-4,838,278	06/13/1989	Wang, J., et al.	02/26/1987
	US-4,940,054	07/10/1990	Grevis, R., et al.	04/29/1988
	US-5,193,535	03/16/1993	Bardy, G. H., et al.	08/27/1991
	US-5,217,021	06/08/1993	Steinhaus, B. M., et al.	07/30/1991
	US-5,356,425	10/18/1994	Bardy, Gust, et al.	06/24/1993
	US-5,366,487	11/22/1994	Adams, et al.	11/04/1993
	US-5,400,796	03/28/1995	Wecke, L.	10/22/1993
	US-5,545,186	08/13/1996	Olson, W. H., et al.	03/30/1995
	US-5,676,153	10/14/1997	Smith, J. M., et al.	10/25/1996
	US-5,730,141	03/24/1998	Fain, et al.	06/07/1996
	US-5,755,736	05/26/1998	Gillberg, J. M., et al.	07/16/1997
	US-5,755,737	05/26/1998	Prieve, K. A., et al.	12/13/1996

EXAMINER**DATE CONSIDERED**

Substitute Disclosure Statement Form (PTO-1449)

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional) 2 Applicant is to place a check mark here if English language Translation is attached

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Group Art Unit	3762
Examiner Name	Evanisko, George

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US-5,792,193	08/11/1998	Stoop, G. A.	11/05/1996
US-5,814,081	09/29/1998	Ayers, , et al.	04/07/1997
US-5,836,975	11/17/1998	DeGroot, P. J.	06/05/1997
US-5,857,977	01/12/1999	Caswell, S. A., et al.	08/08/1996
US-5,897,575	04/27/1999	Wickham, J.	10/24/1997
US-5,944,744	08/31/1999	Paul, P. J., et al.	02/06/1998
US-5,951,592	09/14/1999	Murphy, A.	11/21/1997
US-5,991,657	11/23/1999	Kim, J.	08/06/1998
US-6,041,251	03/21/2000	Kim, J., et al.	07/01/1998
US-6,052,620	04/18/2000	Gillberg, J. M., et al.	03/25/1998
US-6,179,865	01/30/2001	Hsu, W., et al.	04/01/1999
US-6,212,428	04/03/2001	Hsu, W., et al.	05/22/2000
US-6,249,699	06/19/2001	Kim, J.	09/03/1998
US-6,456,871	09/24/2002	Hsu, William, et al.	12/01/1999
US-6,484,055	11/19/2002	Marcovecchio, A. F.	09/20/2000
US-6,526,313	02/25/2003	Sweeney, R. J., et al.	06/05/2001
US-6,687,540	02/03/2004	Marcovecchio, Alan F.	11/21/2001

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Foreign Document No	Publication Date	Name of Patentee or Applicant of cited Document	T ²
	EP-0469817 A2	02/05/1992	Larnard, Donald J., et al.	
	EP-0506230 A1	09/30/1992	Williams, Michael O.	
	WO-0126733A1	04/19/2001	Hsu, William, et al.	
	WO-93/02746	02/18/1993	Olson, W. H.	

OTHER DOCUMENTS -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		CHEN, VICTOR T., "METHOD AND APPARATUS FOR USING ATRIAL DISCRIMINATION ALGORITHMS TO DETERMINE OPTIMAL PACING THERAPY AND THERAPY TIMING", <u>Application Serial No. 09/712,600, Filed November 14, 2000 Attorney Docket No. 279.492US1, 34 pgs.</u>	
		JENKINS, "Diagnosis of Atrial Fibrillation Using Electrogram from Chronic Leads: Evaluation of Computer Algorithm", <u>PACE, 11, (1988), pp. 622-631</u>	
		JUNG, J., et al., "Discrimination of Sinus Rhythm, Atrial Flutter, and Atrial Fibrillation Using Bipolar Endocardial Signals", <u>Journal of Cardiovascular Electrophysiology, 9 (7), (July 1998), pp. 689-695</u>	
		LI, DAN, "METHOD AND APPARATUS FOR RATE-DEPENDENT MORPHOLOGY-BASED CARDIAC ARRHYTHMIA CLASSIFICATION", <u>Application Serial No. 11/151,567, Filed on June 13, 2005 Attorney Docket No. 279.928US1, 53 pgs.</u>	

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		LI, DAN , "METHODS AND APPARATUSES FOR CARDIAC ARRHYTHMIA CLASSIFICATION USING MORPHOLOGY STABILITY", <u>Application Serial No. 11/038,996</u> , Filed January 20, 2005 Attorney Docket No. 279.856US1, 74 pgs.	
		MORRIS, MILTON M., "Detection of Atrial Arrhythmia for Cardiac Rhythm Management by Implantable Devices", <u>Journal of Electrocardiology</u> , Vol. 33, (2000),133-139	
		SWIRYN, S. , et al., "Detection of Atrial Fibrillation by Pacemakers and Antiarrhythmic Devices", <u>Nonpharmacological Management of Atrial Fibrillation</u> , Chapter 21, Futura Publishing Co, Inc. Armonk, NY,(1997),pp. 309-318	
		THOMPSON, JULIE , "TEMPLATE BASED AV/VA INTERVAL COMPARISON FOR THE DISCRIMINATION OF CARDIAC ARRHYTHMIA", <u>Application Serial No. 10/844,475</u> , Filed May 12, 2004 Attorney Docket No. 279.717US1, 33 pgs.	
		ZHANG, YI , "METHODS AND APPARATUSES FOR ARRHYTHMIA DETECTION AND CLASSIFICATION USING WIRELESS ECG", <u>Application Serial No. 10/975, 166</u> , Filed October 28, 2004 Attorney Docket No. 279.792US1, 69 pgs.	

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